

## ABSTRACT

When a large number of detection spots are to be formed on analyte detection chips such as DNA chips or DNA microarrays, spot-forming liquid containing a component for formation of detection spots is spotted simultaneously to the surfaces of a plurality of slide glasses or to a plurality of regions on a single slide glass to thereby improve the fabrication efficiency of detection chips and provide the detection chips inexpensively.

A plurality of injection modules 10a, 30a, and 40a are employed as a means for forming detection spots on slide glasses. Each injection module is equipped with injection units 10d adapted to jet spot-forming liquid containing a component for formation of the detection spots. The spot-forming liquid is jetted simultaneously from the injection units 10a, 30a, and 40a of the respective injection modules toward the surfaces of the plurality of slide glasses 20 corresponding to the injection modules, or a plurality of regions on the single slide glass 20, in order to simultaneously form detection spots on the surfaces of the plurality of slide glasses, or in the regions on the single slide glass. Thus, the efficiency in formation of detection spots is improved.